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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/652,968	08/31/2000	Vishnu K. Agarwal	98-0616.12	4756	
75	590 03/11/2003				
EDWARDS W. BULCHIS, ESQ.			EXAMINER		
DORSEY AND WHITNEY LLP U.S. BANK CENTRE,			DIAZ, JOSE R		
1420 FIFTH AVENUE SUITE 3400 SEATTLE, WA 98101			ART UNIT	PAPER NUMBER	
			2815		
			DATE MAILED: 03/11/2003	DATE MAILED: 03/11/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

	<u>'</u>	Application No.	icant(s)
Office Action Summary		09/652,968	AGARWAL, VISHNU K.
	,	Examiner	Art Unit
	The MAILING DATE of this communication	José R Díaz	2815
Period to	, ,		
I HL if - Exter after - If the - If NO - Failur - Any re	ORTENED STATUTORY PERIOD FOR REMAILING DATE OF THIS COMMUNICATION asions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory pere to reply within the set or extended period for reply will, by steply received by the Office later than three months after the module of the provided patent term adjustment. See 37 CFR 1.704(b).	DN. R 1.136(a). In no event, however, may to a reply within the statutory minimum of to wind will apply and will expire SIX (6) Migature cause the application to become	a reply be timely filed hirty (30) days will be considered timely. ONTHS from the mailing date of this communication.
1)[Responsive to communication(s) filed on	23 December 2002 .	
2a) <u></u> □	This action is FINAL . 2b)⊠	This action is non-final.	
3) Disposition	Since this application is in condition for all closed in accordance with the practice uncon of Claims	owance except for formal m der <i>Ex parte Quayle</i> , 1935 (atters, prosecution as to the merits is C.D. 11, 453 O.G. 213.
4)⊠	Claim(s) 43,44,76 and 78 is/are pending in	the application.	
4	a) Of the above claim(s) is/are with	drawn from consideration.	
	Claim(s) is/are allowed.		
6)🖾	Claim(s) <u>43,44,76 and 78</u> is/are rejected.		
7)	Claim(s) is/are objected to.		
8) 🗌 (Claim(s) are subject to restriction an	d/or election requirement.	
	on Papers	•	
9) <u></u> ⊤	he specification is objected to by the Exam	iner.	
10) 🔲 T	he drawing(s) filed on is/are: a)∏ ad	cepted or b) objected to by	the Examiner.
	Applicant may not request that any objection to		
11) 🗌 T	he proposed drawing correction filed on	is: a) ☐ approved b) ☐	disapproved by the Examiner.
\ <u>_</u>	If approved, corrected drawings are required in		
12)∐ T	he oath or declaration is objected to by the	Examiner.	
Priority ur	nder 35 U.S.C. §§ 119 and 120		
13) 🗌 🛚 A	Acknowledgment is made of a claim for fore	ign priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a)[_	All b) Some * c) None of:		
1	. Certified copies of the priority docume	ents have been received.	
2	Certified copies of the priority docume	ents have been received in A	Application No
	Copies of the certified copies of the pi application from the International le the attached detailed Office action for a li	Bureau (PCT Rule 17,2(a)).	•
14)∏ Ac	knowledgment is made of a claim for dome	stic priority under 35 U.S.C.	§ 119(e) (to a provisional application
a) [☐ The translation of the foreign language polychemic The translation of the foreign language polychemic The translation of the	provisional application has b	een received.
) Notice () Notice () Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) tion Disclosure Statement(s) (PTO-1449) Paper No(s	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)
Patent and Trad O-326 (Rev.		Action Summary	Part of Paper No. 24

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

➤ A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on December 23, 2002 has been entered.

Claim Rejections - 35 USC § 102

➤ The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- Claims 43-44, 76 and 78 are rejected under 35 U.S.C. 102(b) as being anticipated by George et al. (US Patent No. 5,332,444).
- Regarding claims 43, 76 and 78, George et al. teach a method comprising: layering a first conductive material (see col. 7, lines 20-26), introducing a hexamethyldisilane material (see col. 4, lines 12-25); applying electromagnetic energy

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(see col. 4, lines 34-47 and col. 5, lines 34-32), layering a second conductive material (see col. 7, lines 20-26).

Regarding claim 44, George et al. teach directing ultraviolet light toward to the material introduced to the first conductive material (see col. 4, lines 34-47 and col. 5, lines 34-32).

➤ Claims 43-44, 76 and 78 are rejected under 35 U.S.C. 102(e) as being anticipated by Park et al. (US Pat. No. 5,723,384) (this reference was cited by Applicant in paper No. 23).

Regarding claim 43, 76 and 78, Park et al. teach a method for fabricating a semiconductor device (see Fig. 15) comprising the steps of: layering a first conductive material (35a) (see Figs. 10-11), introducing diborane or B₂H₆ material (see col. 4, lines 14-16); and layering a second conductive layer (39) (see Fig. 15).

Regarding claim 44, Park et al. teach directing ultraviolet light toward to the material introduced to the first conductive material (see col. 4, lines 3-19 and col. 5, lines 29-33).

Response to Arguments

Applicant's arguments with respect to claims 43-44, 76 and 78 have been considered but are most in view of the new ground(s) of rejection. With regards to the reference George et al., please note that the claimed carbon-silicon compound hexamethyldisilane has the chemical composition of [(CH₃)₃Si]₂, which is the same

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chemical composition known in the art for HMDS. Thus, George et al. still anticipate the

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claimed invention since George et al. teach the same claimed carbon-silicon compound

of $[(CH_3)_3Si]_2$.

Correspondence

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to José R Díaz whose telephone number is (703) 308-

6078. The examiner can normally be reached on 9:00-5:00 Monday, Tuesday,

Thursday and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eddie Lee can be reached on (703) 308-1690. The fax phone numbers for

the organization where this application or proceeding is assigned are (703) 308-7722 for

regular communications and (703) 746-3891 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 308-

0956.

JRD

March 6, 2003

EDDIE LEF

SUPERVISORY PATENT EXAMINER

TEGHNÓLÖGY CENTER 2800